

Appendix F. Resumes of three principal investigators of proposed inventory studies.

Curriculum Vitae:

Gary M. Fellers
Research Biologist
USGS – Western Ecological Research Center
Point Reyes National Seashore
Point Reyes, CA 94956

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Research Associate
Institute of Ecology
University of California
Davis, CA 95616

Education:

Ph.D. University of Maryland, 1976
M.S. University of Michigan, 1972
B.A. University of California at Berkeley, 1970

Positions Held:

1993-present	Research Biologist, Biological Resources Division, U.S. Geological Survey, Point Reyes National Seashore, CA
1991-present	Chairman, Declining Amphibian Population Task Force, California/Nevada Working Group.
1983-present	Research Associate, Institute of Ecology, University of California, Davis, CA
1983-1993	Research Scientist, National Park Service, Point Reyes National Seashore, Point Reyes, CA
1981-1987	Research Coordinator, Gulf of the Farallones National Marine Sanctuary, Point Reyes, CA
1979-1983	Assistant Regional Chief Scientist, Western Regional Office, National Park Service, San Francisco, CA
1979	Endangered Wildlife Specialist, State Office, Bureau of Land Management, Sacramento, CA
1977-1978	Instructor, Biological Sciences Department, California State University, Sacramento, CA
1977	Instructor, Department of Zoology, University of Maryland, College Park, MD
1972-1976	Graduate Teaching Assistant, Department of Zoology, University of Maryland, College Park, MD
1973-1974	Biological Technician, Bird and Mammal Laboratory, Division of Wildlife Research, Fish and Wildlife Service, Washington, D.C.

Most recent publications:

Sparling, Donald W., Gary M. Fellers, and Laura McConnell. Pesticides and Amphibian Declines in Western California. Submitted to Nature.

Fellers, Gary M. and Elizabeth D. Pierson. Habitat Use and Foraging Behavior of Townsend's Big-eared Bat (*Corynorhinus townsendii*) in Coastal California. Submitted to Journal of Mammalogy.

Parks, Duncan S.M., Meredith J. Mahoney, Gary M. Fellers. Mitochondrial DNA sequence documents introduction of two lizards (*Uta stansburiana* and *Elgaria multicarinata*) to the Channel Islands of California. Submitted to Molecular Ecology.

- Fellers, Gary M., Alan E. Launer, Galen Rathbun, Steve Bobzien, Jeff Alvarez, David Sterner, Richard B. Seymour, and Michael Westphal. *In press*. Overwintering Tadpoles in the California Red-legged Frog (*Rana aurora draytonii*). Herpetological Review.
- LeNoir, James S., Linda Aston, Sema Data, Gary M. Fellers, Laura L. McConnell, and James N. Seiber. *In press*. Environmental Exposures To Agrochemicals in the Sierra Nevada Mountain Range. Chapter 5. *In*: Larry Keith (ed.) American Chemical Society Symposium Series.
- Corben, Chris and Gary M. Fellers. *In press*. A Technique for Detecting Eyeshine of Amphibians and Reptiles. Herpetological Review.
- Fellers, Gary M. and Carlos Davidson. *In press*. Yosemite toad (*Bufo canorus*) species account. Status and Trends of North American Amphibians. Michael J. Lannoo, Editor.
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- Fellers, Gary M., Virginia Norris, Wilma Follette, Doreen Smith. 2000. Plant Checklist for Point Reyes National Seashore (Revised). Point Reyes National Seashore Association. ii+48 Pp.
- Shaffer, H. Bradley, Gary M. Fellers, Allison Magee, and S. Randall Voss. 2000. The Genetics of Amphibian Decline: Population Substructure and Molecular Differentiation in the Yosemite Toad, *Bufo canorus* (Anura, Bufonidae) based on SSCP and mtDNA sequence data. Molecular Ecology. 9(2000): 245-257.
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- Mao, Jinghe, D.E. Green, V.G. Chinchar, G.M. Fellers. 1999. Molecular characterization of iridoviruses isolated from sympatric amphibians and fish. Virus Research. 63(1999): 45-52.
- Pierson, Elizabeth D. and Gary M. Fellers. 1998. Distribution and Ecology of the Big-eared Bat, *Corynorhinus* (= *Plecotus*) *townsendii*. U.S. Geological Survey, Species at Risk Report. i+93 Pp.
- Fellers, Gary M. and Charles A. Drost, and William J. Mautz, and Thomas Murphey. 1998. Ecology of the Island Night Lizard, *Xantusia riversiana*, on San Nicolas Island, California. U.S. Navy Report. 80 Pp.
- Fellers, Gary M. 1997. Design of Amphibian Surveys. *In*: Deanna H. Olson, William P. Leonard, and R. Bruce Bury (eds.). Sampling Amphibians in Lentic Habitats: Methods and Approaches for the Pacific Northwest. Northwest Fauna 4. Pp. 23-34.
- Drost, Charles A. and Gary M. Fellers. 1996. Collapse of a Regional Frog Fauna in the Yosemite Area of the Sierra Nevada. Conservation Biology. 10(2): 414-425.
- Fellers, Gary M. and Charles A. Drost. 1995. Handbook for the Restoration of Native Animals. Natural Resources Report NPS/NRPORE/NRR-95/19, US Dept. Interior, National Park Service, Natural Resources Publication Office, Denver, CO. vi+34 Pp.
- Drost, Charles A. and Gary M. Fellers. 1995. Non-native animals on public lands. Status and Trends Report. Pp. 440 - 442. *In*: Edward T. LaRoe, Gaye S. Farris, Catherine E. Puckett, Peter D. Doran, and Michael J. Mac (eds). Our Living Resources. U.S. Dept. Interior - National Biological Service, Wash. D.C.
- Fellers, Gary M. and Kathleen L. Freel. 1995. A Standardized Protocol for Surveying Aquatic Amphibians. Technical Report NPS/WRUC/NRTR-95-001. National Biological Service, Cooperative Park Studies Unit, University of California, Davis, CA. v+123 Pp.

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- Fellers, Gary M. 1994. Species Diversity, Selectivity, and Habitat Associations of Small Mammals from Coastal California. Southwestern Naturalist. 39(2): 128-136.
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- Fellers, Gary M. and Charles A. Drost. 1994. Sampling with Artificial Cover. Pp. 146-150. In: W. Ronald Heyer, Maureen A. Donnelly, Roy W. McDiarmid, Lee-Ann C. Hayek, and Mercedes S. Foster (eds.) Measuring and Monitoring Biological Diversity: Standard Methods for Amphibians. Smithsonian Institution Press. xix+364 Pp.
- Fellers, Gary M., Charles A. Drost and W. Ronald Heyer. 1994. Handling Live Amphibians. Pp. 275-276. In: W. Ronald Heyer, Maureen A. Donnelly, Roy W. McDiarmid, Lee-Ann C. Hayek, and Mercedes S. Foster (eds.) Measuring and Monitoring Biological Diversity: Standard Methods for Amphibians. Smithsonian Institution Press. xix+364 Pp.
- Bezy, Robert L., Gary M. Fellers, and William J. Mautz. 1994. Island Night Lizard. Pp. 274-275. In: Thelander, Carl G. and Margo Crabtree (eds). Life on the Edge: A Guide to California's Endangered Natural Resources: Wildlife. BioSystems Books, Santa Cruz, CA. xvi+550 Pp.

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Education:

Lewis and Clark College, Portland, OR BS in Biology 1978
University New Mexico, Albuquerque, NM post graduate course work.

Professional Employment:

1989 to present: Director, Terrestrial Research Program, PRBO
1987 to 1989. Terrestrial Program Manager PRBO
1981 to 1987 Staff biologist (seasonal position) PRBO Landbird Research program.
1985 to 1989. Research biologist (seasonal position) PRBO Antarctic Research program.
1982 to 1984 Biological Technician (seasonal position) Univ. of New Mexico, Albuquerque, NM
1982 (Sept-Dec) Farallon Island Biologist, PRBO.
1980 (March to Aug.) Field Biologist (internship), Landbird Research Program, PRBO.

Professional activities:

American Ornithologist Union (member)
Association of Field Ornithologists (member)
Bollinas Community Center (board member, 1989 to 1994)
Central Valley Habitat Joint Venture (alternate board member)
Cooper Ornithological Society (member)
Mesa Park Board (director)
National Audubon Society (member)
North American Banding Council (certified trainer and bander)
North American Cowbird Advisory Council (member)
Partners In Flight Initiative (current chair of California)
Riparian Habitat Joint Venture (technical committee member)
Society for Ecological Restoration (member)
The Wildlife Society (member)
Western Bird Banding Association (past President, grants committee)
Wilson Ornithological Society (member)

Most recent publications:

Geupel, G. R. and G. Ballard. in press. Wrentit (*Chamaea fasciata*). In Birds of North America . (A. Poole and F. Gill eds.) The Birds of North America, Inc., Philadelphia, PA.

Nur N., G. R. Geupel and G. Ballard. in press. Estimates of adult survival, capture probability and recapture probability: evaluating and validating constant effort mist netting. In: Proceedings of the First International Mistnet Conference, Point Reyes, CA. (ed. By C. J. Ralph and W. Peach). USDA Forest Service Gen. Tech. Report

Elliot G. and G.R. Geupel. in press. Conserving Birds and Riparian Zones. A New Resource for Californians. Wild Earth.

Geupel G. R., 2000. Science lends a hand. New partners help habitats in California. Bird Conservation 12:5

Gardali T., G. Ballard, N. Nur, and G. R. Geupel. 2000. Demography of a declining population of Warbling Vireo in Coastal California. *Condor* 102:601-609.

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Johnson, M. and G. R. Geupel 1996. The importance of productivity to a Swainson's Thrush population. *Condor* 98:133-141.

Ralph, C. J., G. R. Geupel, P Pyle, T. E. Martin, D. F. DeSante AND B. Mila. 1996. Manual de metodos de campo para el monitoreo de aves terrestres. Gen. Tech. Rep. PSW-GTR-159. Albany CA: Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture, 44p.

Geupel G. R. and I. Warkentin 1995. Field methods for monitoring populations parameters of landbirds in Mexico, Pp. 242-248. in *Conservation of Neotropical Migratory Birds in Mexico* (Proceedings of a symposium in Veracruz, Mexico. November 1993) M. Wilson and S. Sader (Eds.), Maine Agricultural and Forest Experiment Station Miscellaneous Publication 727. Orno, Maine.

Baker M., N. Nur, and G. R. Geupel 1995. Correcting biased estimates of dispersal and survival due to limited study area: Theory and an application using Wrentits. *Condor*: 97: 663-674.

Martin, T .E. and G. R. Geupel. 1993. Nest monitoring plots: Methods for locating nests and monitoring success. *J. Field. Ornith.* 64:507-519.

Geupel, G. R. and N. Nur. 1993. Monitoring bird populations: The role of bird observatories and non-governmental organizations. Pp. 275-279. in *Status and Management of neotropical migratory birds*. D. M. Finch and P. W. Stangel (Eds.). USDA Forest Service Publication: GTR RM-229, Fort Collins, Co.

Nur, N. and G.R. Geupel, 1993. Evaluations of nest monitoring, mist-netting, and other methods for monitoring demographic processes in landbird populations. P.p. 237-244 in *Status and Management of neotropical migratory birds*. (D. M. Finch and P. W. Stangel Eds.). USDA Forest Service Publication: GTR RM-229, Fort Collins, Co.

Ralph, C. J., G. R. Geupel, P Pyle, T. E. Martin, AND. F. DeSante 1993. Handbook of field methods for monitoring landbirds. USDA Forest Service Publication, PSW-GTR 144, Albany, CA. 41p.

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Education:

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M.S. Zoology, 1976, Arizona State University, Tempe

B.S. Zoology, 1974, Montana State University, Bozeman

Professional Experience:

1999-Present: Research Manager, USDI, USGS-BRD, Sacramento, CA

1996-1999: Ecologist (Research), USDI, USGS-BRD, San Francisco, CA

1993-1996: Ecologist (Research), USDI, NBS, San Francisco, CA

1989-1993: Ecologist, USDI, NPS, San Francisco, CA

1980-1988: Natural Resources Specialist, USDI, NPS, San Francisco, CA

1987-1988: Writer (freelance), Harcourt, Brace, Jovanovich, Inc., San Diego, CA

1978-1980: Zoologist, USDI, Bureau of Reclamation, Denver, CO

1974-1978: Graduate Teaching Assistant, Arizona State University, Tempe, AZ

1971-1974: Research Assistant, Montana State University, Bozeman, MT

University Involvement

1998-Present: Affiliate, Associate Professor, Wildlife and Fisheries Department, University of Idaho

1993-Present: Adjunct Professor, Wildlife Department, Humboldt State University

1986-1987: Instructor, San Francisco State University, Tiburon Center for Environmental Studies, raptor ecology, natural resources management in the National Parks.

Most recent publications:

Howell, J.A. and M. Semenov-Irving (in prep.). Grazing effects on vertebrate diversity in a coastal California National Park. *Restoration Ecology* 31pp. *

Howell, J.A. and R.H. Barrett. 1998. California Wildlife-Habitat-Relationship System: a test in coastal scrub and annual grassland. *California Fish & Game* 84:74-87

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Howell, J.A. 1997. Gray fox (*Urocyon cinereoargenteus*) ecology and management. pp 43-46. in J. E. Harris and C.V. Ogan, eds. *Mesocarnivores of Northern California: biology, management, and survey techniques*, Workshop Manual. August 12-15, 1997, Humboldt State University, Arcata, CA. The Wildlife Society, California North Coast Chapter, Arcata, CA Unpublished document 117 pp.

Howell, J.A. 1995. Remote sensing of wildlife habitat for inventory and long term monitoring: a California perspective. Conference for Remote Sensing and Environmental Monitoring for the Sustained Development of the Americas, San Juan, Puerto Rico, March 1995. University of Puerto Rico, Mayaguez, PR 19 pp.*

Howell, J.A. and F. Bioret. 1995. Comparative study of terrestrial ecosystem dynamics between two MAB coastal Biosphere Reserves, France and United States. 8th Conference on Research and Resource Management in Parks and on Protected Areas. Portland, OR - April 1995. George Wright Society pp. 81-92.*

Howell, J.A. 1993. National Park Service inventory and monitoring: a California park perspective. *George Wright Forum* 10:16-23.*

Howell, J.A., E. Ettlinger, and M. Semenov-Irving. 1998. Muir Woods inventory of sensitive species in old growth forest: mammalian inventory, summer 1997, winter 1998. USGS-BRD, Western Ecological Research Center, Golden Gate Field Station, Ft. Cronkhite, 1063, Sausalito, CA 13 pp. (Agency Report)

Howell, J.A., E. Ettlinger, and M. Semenov-Irving. 1998. Muir Woods inventory of sensitive species in old growth forest: mammalian inventory protocol. USGS-BRD, Western Ecological Research Center, Golden Gate Field Station, Ft. Cronkhite, 1063, Sausalito, CA 5 pp. (Agency Report)

Ettlinger, E. and J.A. Howell. 1998. 1997 summary of coyote research in Golden Gate NRA. USGS-BRD, Western Ecological Research Center, Golden Gate Field Station, Ft. Cronkhite, 1063, Sausalito, CA 7 pp. (Agency Report)